

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13I		Page 1 of 7
Title: Commodity Specific Requirements for Peanut Butter		
Revision: 1	Replaces: 01/01/00	Effective: 07/01/00

1. Purpose:

To provide a listing of PDP identified required compounds for peanut butter.

2. Scope:

This standard operating procedure shall be followed by all laboratories analyzing peanut butter for PDP. This SOP shall be used in conjunction with QC-13 which identifies commodity groupings for selected/single screens, validation purposes, and approved process controls.

3. Outline of Procedure:

- 5.1 Compounds Required for Multi Residue Screens
- 5.2 Multi Residue Marker Pesticides for Peanut Butter

4. References:

- Method Evaluation Study Performed by USDA, GIPSA, Kansas City, Missouri, April 2000
- SOP PDP-QC-13, "Required Compounds, Commodity Groups, and Marker Pesticides", revision 5, January 1, 2000
- Federal/State Meeting, October 26-28, 1999

5. Specific Procedures:

This standard operating procedure (SOP) represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

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5.1 Compounds Required for Peanut Butter Multi Residue Screens

Peanut Butter Compound	Reported As	Pest Code
1-Naphthol		382
3-Hydroxycarbofuran		512
Alachlor		227
Aldicarb		167
Aldicarb sulfone		168
Aldicarb sulfoxide		169
Aldrin ¹		001
Benfluralin		191
Carbaryl		102
Carbofuran		180
Chlorpyrifos		160
DDD p,p'		908
DDE p,p' ¹		910
DDT p,p'		906
Diazinon		024
Diazinon O-analog		395

¹ "Lab's best" compounds based upon method evaluation results

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Peanut Butter Compound	Reported As	Pest Code
Dichlorvos ¹		338
Dicloran		144
Dieldrin		028
Disulfoton		117
Disulfoton sulfone		216
Ethalfuralin		721
Ethoprop		175
Fenamiphos		236
Fenamiphos sulfone		745
Fenpropathrin		808
Fenvalerate		546
Heptachlor		044
Heptachlor epoxide		143
Iprodione		626
Lambda cyhalothrin		AAF
Malathion		052
Malathion O-analog		208
Metalaxyl		607
Methamidophos		170

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Peanut Butter Compound	Reported As	Pest Code
Methomyl		159
Methoxychlor p,p'		275
Metolachlor		283
Monocrotophos		343
Norflurazon		596
Norflurazon desmethyl		AAS
Oxamyl		537
Parathion		065
Parathion methyl		057
Parathion methyl O-analog ¹		779
Parathion O-analog		370
Pendimethalin		230
Pentachloroaniline (PCA)		351
Phorate		148
Phorate sulfone		189
Piperonyl butoxide		070
Propargite		623
Propiconazole		264
Quintozone (PCNB)		304

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Peanut Butter Compound	Reported As	Pest Code
Tebuconazole		A58
Trifluralin		151

5.2 Multi Residue Marker Pesticides for Peanut Butter

All required compounds serve as marker compounds for peanut butter, unless specified as “lab’s best effort” during method evaluation studies.

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Fran Gross

6/30/00

Reviewed By: Fran Gross

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Pesticide Data Branch

- Update references
- Removed acephate, chlorothalonil, and esfenvalerate based upon validation results
- Marked aldrin, DDE p,p', dichlorvos, and parathion methyl O-analog as “lab’s best” based upon method evaluation studies